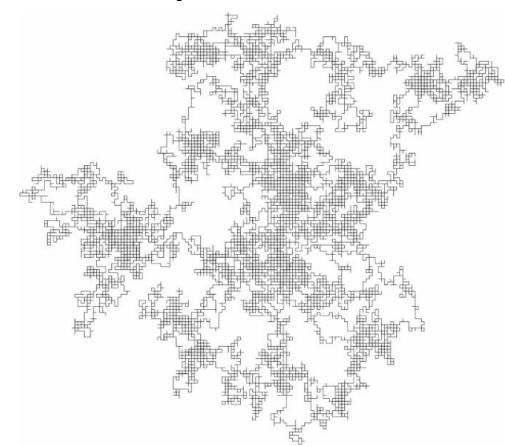


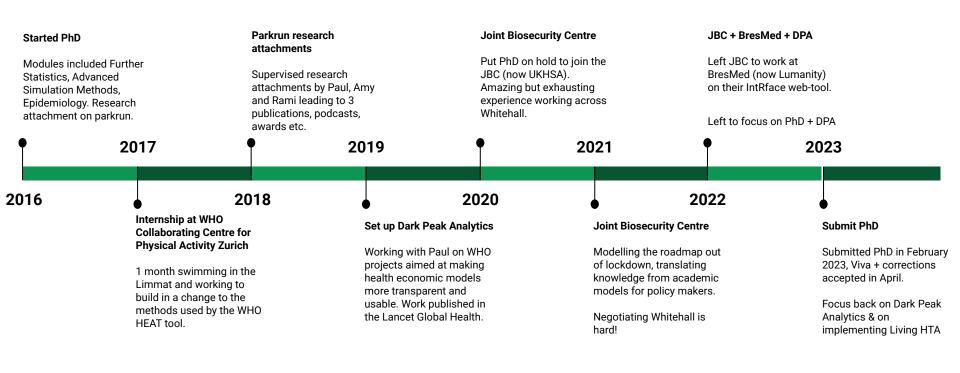
A Random Walk Down West Street: Projects & Placements



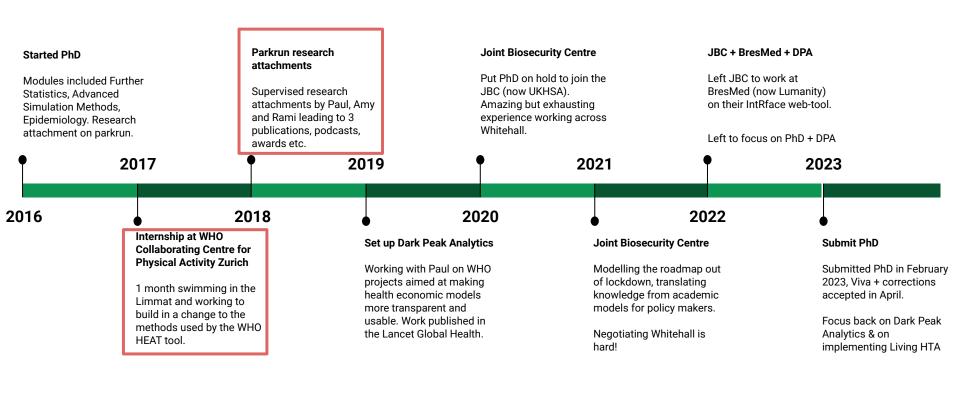




How to make submitting a PhD as painful as possible



How to make submitting a PhD as painful as possible



2017 - Internship at WHO HEAT team (Zurich)

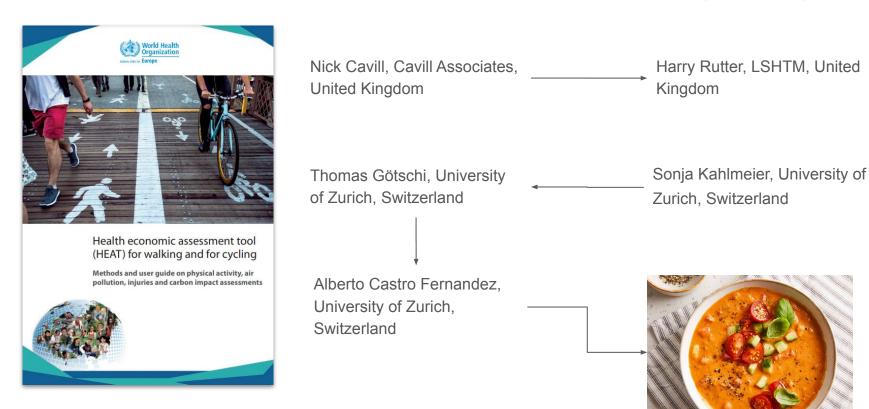
Working on incrementally improving the validity of an existing health economic modelling tool. The WHO's Health Economic Assessment Tool for Walking and Cycling.







2017 - Internship at WHO HEAT team (Zurich)





"I do hope that if there isn't enough oxygen for us both that the doctor won't choose between elderly me and a young parent with dependent children by flipping a coin."

Letter to the Times 20th January 2021



Lord Sumption, former Supreme Court judge









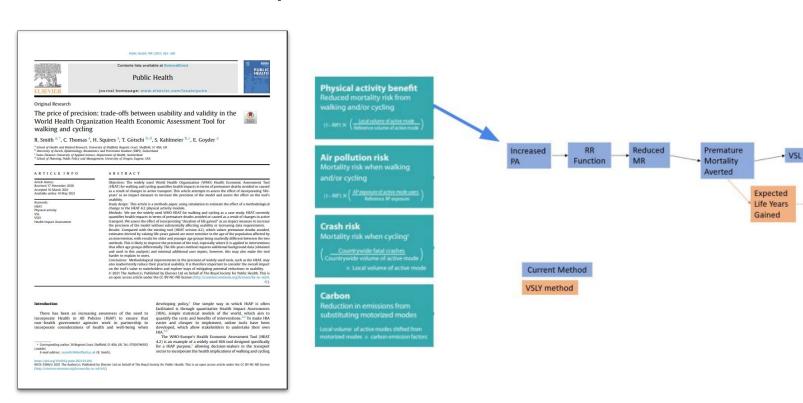


			Sector use
Value Statistical	Year: Bart < Grandpa	l	(C)
Life	Life: Bart = Grandpa		
Value	Year: Bart = Grandpa	1	
Statistical Life Years	Life: Bart > Grandpa		=6-5

Value of

Deaths

Averted



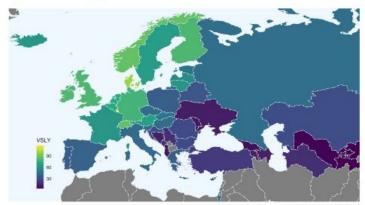


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The use of the HEAT in resource allocation between countries needs to be carefully considered!



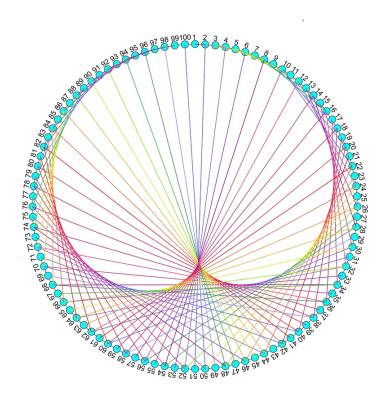
Annual per capita monetary benefit of 10 mins additional weekly walking in WHO-Europe countries.



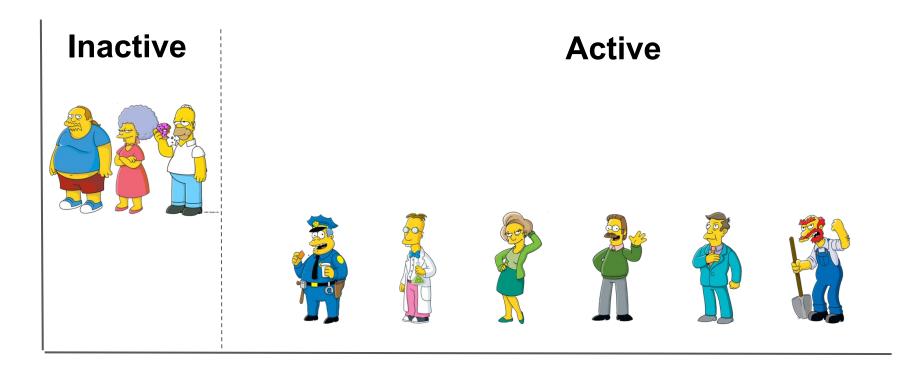
Sources: GBD (2017); OECD (2012)

Paper 2 - Straight lines or curves?





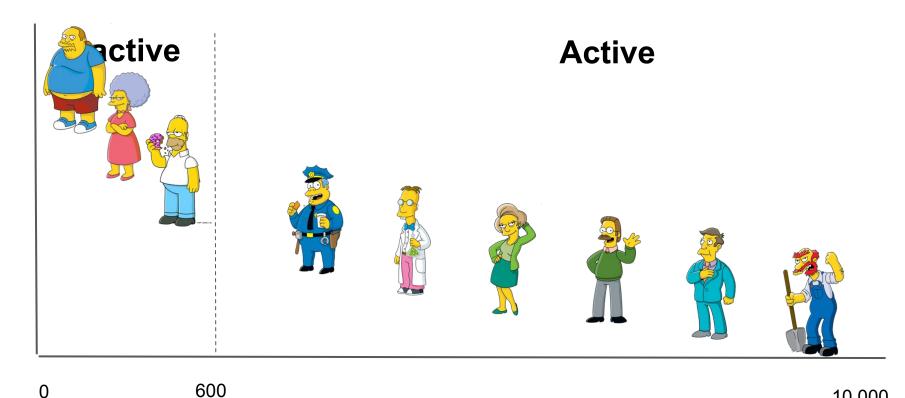
Paper 2 - Straight lines or curves?



600

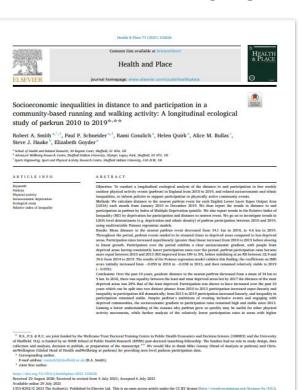
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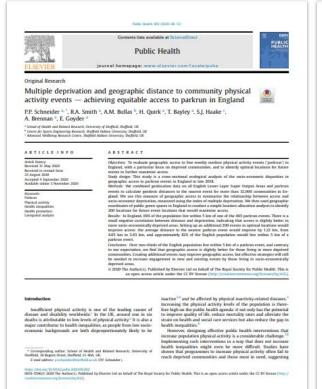
Paper 2 - Straight lines or curves?





2018 - Parkrun research attachments



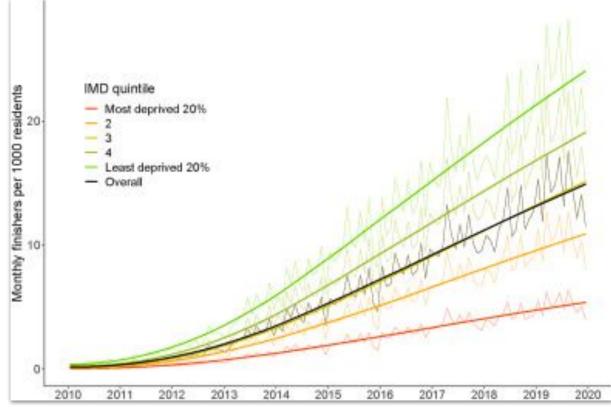






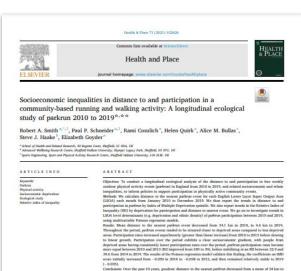
Time series analysis of parkrun participation







Time series analysis of parkrun access

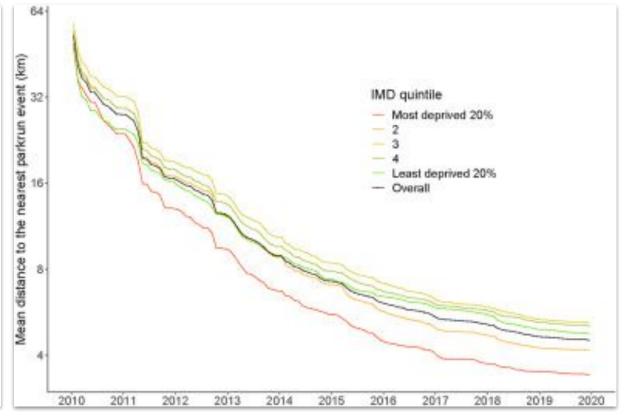


- 5 km. In 2010, there was equality between the least and most deprived areas but by 2017 the distance of the most denoted areas was 25% that of the least denoted. Participation was shown to have increased over the most 10 years which can be split into two distinct phases: from 2010 to 2013 narticipation increased super-linearly and nequality in participation fell dramatically; from 2013 to 2019 participation increased linearly, and inequality in participation remained stable. Despite purirum's ambitious of creating inclusive events and expressing with denoted communities, the socioeconomic eradient in participation rates remained high and stable since 2013. Gaining a better understanding of the reasons why purkrut grow so quickly may be useful for other physical activity movements, while further analysis of the relatively lower participation rates in areas with higher
- * R.S., P.S. & R.C. are juint funded by the Wellcome Trust Dectoral Training Centre in Public Health Economics and Dectoral Science (198903) and the University of Sheffield, H.O. is funded by an NDE School of Public Health Research (SDER) nest-dectoral launching followship. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript." We would like to thank Mike Genney (Head of Analysis at parkrun) and ChrissieWellington (Global Head of Health andWellbeing at parkrun) for providing new level parkrun participation data.
- * Corresponding author. Smitheld scale (R.A. Smith)

1 Joint first author.

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Replication and extension to 2023



Openfest GitHub workshop

Workshop on GitHub for academic collaboration Monday 4th September, 10.00-12.00, in person

Led by Robert Smith (School of Health and Related Research, University of Sheffield)

This workshop for researchers at the University of Sheffield and Sheffield Hallam University will provide a straightforward look at how GitHub can enhance academic collaboration, and a practical introduction to using GitHub and other tools in academic settings. The workshop will cover:

- The benefits of GitHub for academic collaboration.
- · Setting up RStudio with Git and GitHub
- How to collaborate with colleagues on projects in script-based programming languages (e.g. R)
- Where to find more information online resources and courses

Note: Delegates will require R and RStudio (https://posit.co/download/rstudio-desktop/) and Git (https://git-scm.com/downloads) to be installed on their laptops before the session if they want to follow the examples in real time.

Refreshments will be provided.

Register for the event (in-person attendance) here.



https://www.eventbrite.co.uk/e/openfest-2023-workshop-on-github-for-academic-collaboration-tickets-657439508267

How to make submitting a PhD as painful as possible ... but do a lot of cool stuff

Talks: https://github.com/RobertASmith/talks

Journal Publications: Google Scholar

CV: CV

Open Source Code: https://github.com/RobertASmith

Dark Peak Analytics: https://darkpeakanalytics.com/

Robert Smith PUBLIC HEALTH, ECONOMICS & DECISION SCIENCE ■ romith@darkprakanalytics.com | ■ RobertASmith | ■ robert-amith-53528438 | ♥ @R06ertSmlth As a health economist with a background in epidemiology, data science, and statistical programming, I bring a unique skill set to the field of public health. My PhD and subsequent published research at the University of Sheffield focused on the application of methods from economics and data science to improve public health outcomes. I am co-founder of Dark Peak Analytics Ltd. a company specializing in the real-world application of novel health economics and data science methods. Our mission is to help governments, NGOs, charities, and companies make informed decisions that improve public health. In my free time, I enjoy running, I have won several national team medals and competed internationally at IAAF events. Experience Director Sheffield, United Kingdom Dark Peak Analytics Dark Peak Analytics provides expertise in health economics, statistics, data science and public health. We have previously worked with the World Health Organisation (on projects including audiology, reproductive health, health services research and physical activity), non-governmental organisations, pharmaceutical companies, and with charities including parkrunUK. We provide training on data-science for health research. For more information on expertise and a list of publications see www.darkpeakanalytics.com. Principal Health Economist Sheffield, United Kingdom Advanced Analytics, Lumanity Dec 2021 - Aug 2022 Principal health economist at Lumanity (previously BresMed) working on projects relating to the use of techniques from Data-Science to problems in health economics. I led the development of internal R training for Health Economics, set up a system for collaboration on projects internally using Git & GitHub, built and improved upon health economic models in R-Shiny for clients in the pharmaceutical industry and developed a novel method for collaboration between data-owners and consultancies, published in Wellcome Open Research. Lead Epidemiologist & Statistical Programmer London, United Kingdom Advanced Analytics, UK Health Security Agency, DHSC This incredibly high impact work undertaken with an immensely talented and productive team is likely to be the most significant of my career. I worked with teams across Whitehall including the Cabinet Office COVID-19 Taskforce. Number 10 Policy Unit. DHSC and DfE. and with counterparts across the devolved nations to help inform the UK government's response to the pandemic. The role gave me a fantastic insight into how analytical work conducted at pace can feed into decision making in government. Expert Advisor Zurich, Switzerland World Health Organisation HEAT Expert Advisory Group 07/2018-ongoing Initiated and led a research project developing the methods used in the WHO Europe's Health Economic Assessment Tool for walking and cycling. Identified a new approach to estimating the monetary benefit of increased population physical activity. Joined the Core Group as an expert advisor in November 2020 for worldwide tool development.

